

ABSTRACT OF THE DISCLOSURE

Gas discharge ports are provided in almost the entire area of a layer surface of a separator, and a gas for reaction is discharged like a shower from the separator toward a power generation cell. The separator is constructed by layering plate-shaped members containing iron-base alloy, nickel-base alloy, or chrome-base alloy as the base material. Silver, silver alloy, copper, or copper alloy is plated on both sides or one side of the base material of the plate-shaped member. The construction above can increase durability of a separator and enables the separator and a solid oxide fuel cell to be stably used for a long period.